

AMENDMENTS TO THE CLAIMS

This listing of the claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Canceled).
2. (Currently Amended) The system of claim 1 + 28, wherein the Internet-based user interface comprises a login functionality that analyzes input information and in response renders either a first or second interface.
3. (Original) The system of claim 2, wherein the first interface is associated with a single entity, and the second interface is associated with a group of entities.
4. (Original) The system of claim 2, wherein the input information comprises a user login and a password.
5. (Original) The system of claim 2, wherein the second interface comprises a numerical table that displays the vital-sign and location-based data associated with the plurality of patients.
6. (Currently Amended) The system of claim 1 + 2, wherein the second interface comprises a web page that displays an alert message associated with a patient.
7. (Original) The system of claim 6, further comprising an application software piece that processes vital-sign data to generate the alert message.
8. (Original) The system of claim 7, wherein the application software piece comprises an algorithm that compares vital-sign data to a pre-determined level to generate the alert message.

9. (Currently Amended) The system of claim 6, ~~wherein the system~~ further comprising ~~comprises~~ an application software piece configured to process multiple vital-sign data to generate the alert message.

10. (Currently Amended) The system of claim 9, wherein the application software piece processes vital-sign data and ~~data associated with~~ a patient's age to generate the alert message.

11. (Currently Amended) The system of claim 9, wherein the application software piece processes vital-sign data and ~~data associated with~~ a patient's gender to generate the alert message.

12. (Currently Amended) The system of claim ~~1~~ 2, wherein the system further comprises a first software component that transmits an electronic file.

13. (Original) The system of claim 12, wherein the vital-sign monitor further comprises a second software component that receives the electronic file.

14. (Original) The system of claim 13, wherein the Internet-based user interface comprises a web page that sends an email or electronic message to a patient.

15. (Currently Amended) The system of claim 14, wherein the email or electronic message is a pre-determined message stored in the computer memory ~~database component~~.

16. (Original) The system of claim 14, wherein the system automatically transmits the email or electronic message following analysis of the vital-sign and location-based data.

17. (Original) The system of claim 14, wherein the system automatically transmits a report.

18. (Currently Amended) The system of claim 17, wherein the database software piece ~~component~~ is configured to generate the report.

19. (Original) The system of claim 12, wherein the first software component is configured to transmit data formatted in an XML-based format.

20. (Original) The system of claim 19, wherein the XML-based format is compatible with a second Internet-based software system.

21. (Original) The system of claim 13, wherein the vital-sign monitor further comprises a display that displays an email or electronic message received from the Internet.

22. (Original) The system of claim 13, wherein the second software component is configured to receive wirelessly transmitted computer code.

23. (Original) The system of claim 22, wherein the second software component processes the wirelessly transmitted computer code to update an existing computer code in the vital-sign monitor.

24. (Currently Amended) The system of claim 23, wherein the second software component processes the wirelessly transmitted computer code to load a schema into the vital-sign monitor.

25. (Currently Amended) The system of claim 24, wherein the second software component processes the wirelessly transmitted computer code to modify the vital-sign monitor's transmission properties.

26. (Currently Amended) The system of claim 25, where the second software component processes the wirelessly transmitted computer code to modify the vital-sign monitor's transmission frequency.

27. (Currently Amended) The system of claim 24, wherein the second software component processes the wirelessly transmitted computer code to modify the data transmitted by the vital-sign monitor.

28. (Original) A system for monitoring a patient, comprising:
a vital-sign monitor comprising:
sensors for measuring from the patient at least one of the following vital-sign data: O₂ saturation, blood pressure, heart rate, electro-cardiogram, respiratory rate, temperature and blood glucose level;
a global positioning system that generates location-based data; and
a wireless component that transmits the vital-sign and location-based data and receives component code;
a wireless transmitter configured to receive the vital-sign and location-based data and wirelessly transmit these data through a wireless network;
a gateway software piece that receives and processes the vital-sign and location-based data from the wireless network;
a database software piece that communicates with the gateway software piece to receive the vital-sign and location-based data and stores them in a computer memory; and
an Internet-based user interface that displays the vital sign and location-based data and comprises a first interface that displays vital-sign and location-based data for a single patient and a second interface that displays vital sign and location-based data for a plurality of patients.

29. (Original) A system for monitoring a patient, comprising:
a vital-sign monitor comprising a sensor for measuring data characterizing O₂ saturation from the patient;
a global positioning system for determining location-based data;
a wireless transmitter configured to receive the data and wirelessly transmit these data through a wireless network;
a gateway software piece that receives and processes the data from the wireless network;
a database software piece that communicates with the gateway software piece to receive the data and store them in a computer memory; and

an Internet-based user interface that displays the data and comprises a first interface that displays vital-sign and location-based data for a single patient and a second interface that displays vital-sign and location-based data for a plurality of patients.

Claims 30-32. (Canceled).